

1 1. A method comprising:
2 operating first and second subsystems in a
3 wireless device; and
4 altering an activity of the first subsystem based
5 at least in part based on power consumption information
6 from the second subsystem.

1 2. The method of claim 1 wherein altering an
2 activity on the first subsystem includes changing an
3 activity on the first subsystem to avoid causing the second
4 subsystem to transition between power consumption states.

1 3. The method of claim 1 wherein altering an
2 activity on the first subsystem includes changing an
3 activity on the first subsystem to synchronize the power
4 consumption states between the first and second subsystems.

1 4. The method of claim 1 including providing state
2 information from the second subsystem to the first
3 subsystem.

1 5. The method of claim 4 wherein providing
2 information includes providing information about the
3 duration of a particular power consumption state.

1 12. The article of claim 11 further storing
2 instructions that enable the processor-based system to
3 change an activity on the first subsystem to avoid causing
4 the second subsystem to transition between power
5 consumption states.

1 13. The article of claim 11 further storing
2 instructions that enable the processor-based system to
3 change an activity on the first subsystem to synchronize
4 the power consumption states between the first and second
5 subsystems.

1 14. The article of claim 11 further storing
2 instructions that enable the processor-based system to
3 provide state information from the second subsystem to the
4 first subsystem.

1 15. The article of claim 14 further storing
2 instructions that enable the processor-based system to
3 provide information about the duration of a particular
4 power consumption state.

1 16. The article of claim 14 further storing
2 instructions that enable the processor-based system to
3 provide information about the schedule of power consumption
4 state changes.

1 23. The device of claim 22 wherein said first
2 subsystem is an application subsystem.

1 24. The device of claim 23 wherein said second
2 subsystem is a communication subsystem.

1 25. The device of claim 24 wherein said
2 communications subsystem includes a baseband processor.

1 26. The device of claim 25 wherein said application
2 subsystem includes a general purpose processor.

1 27. The device of claim 21 wherein said first
2 subsystem alters an activity of the first subsystem based
3 at least in part on power consumption information from the
4 second subsystem.

1 28. The device of claim 27 wherein the first
2 subsystem changes an activity on the first subsystem to
3 avoid causing the second subsystem to transition between
4 power consumption states.

1 29. The device of claim 27 wherein the first
2 subsystem changes an activity on the first subsystem to
3 synchronize the power consumption states between the first
4 and second subsystems.

1 30. The device of claim 21 wherein the second
2 subsystem provides power consumption state information to
3 the first subsystem.

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